

Fig. 1

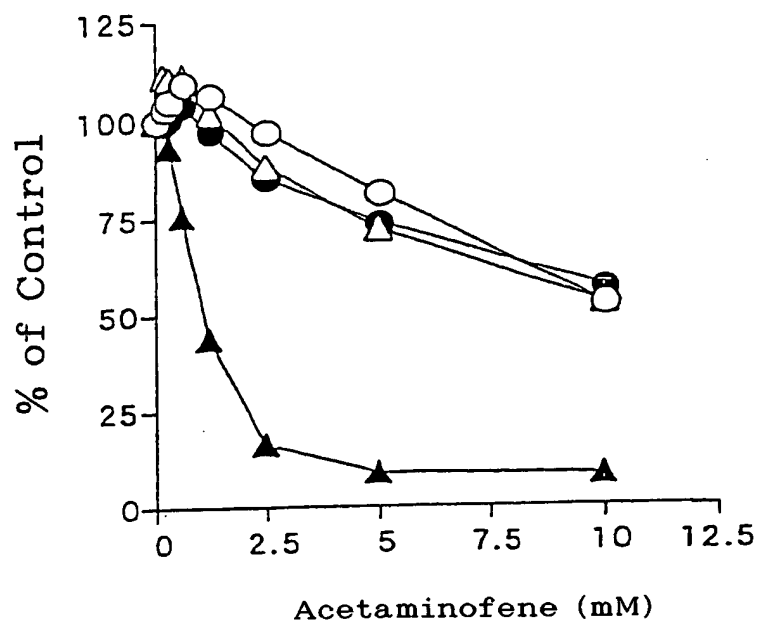


Fig. 2

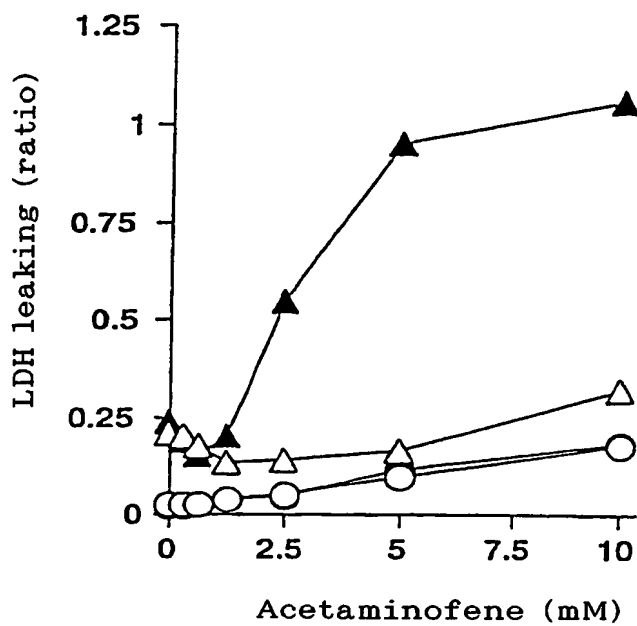


Fig. 3

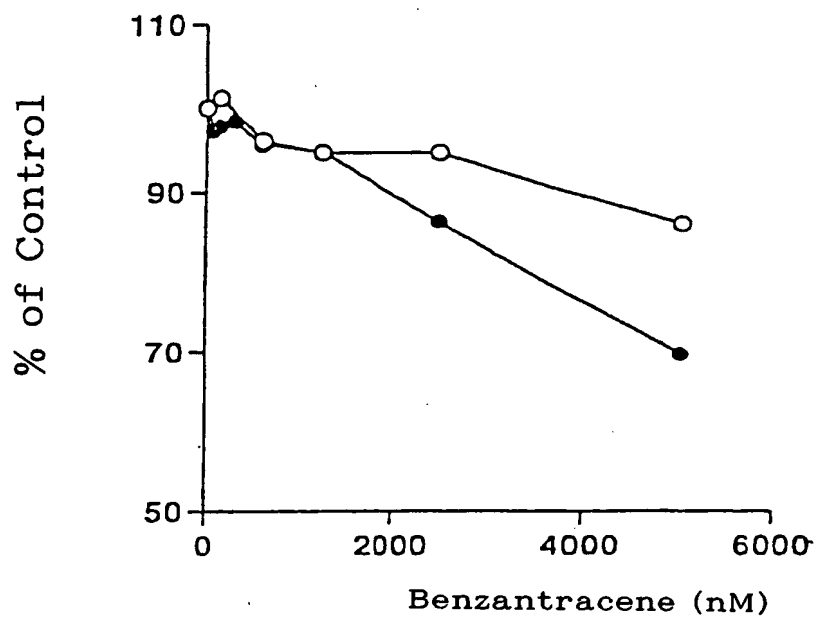


Fig. 4

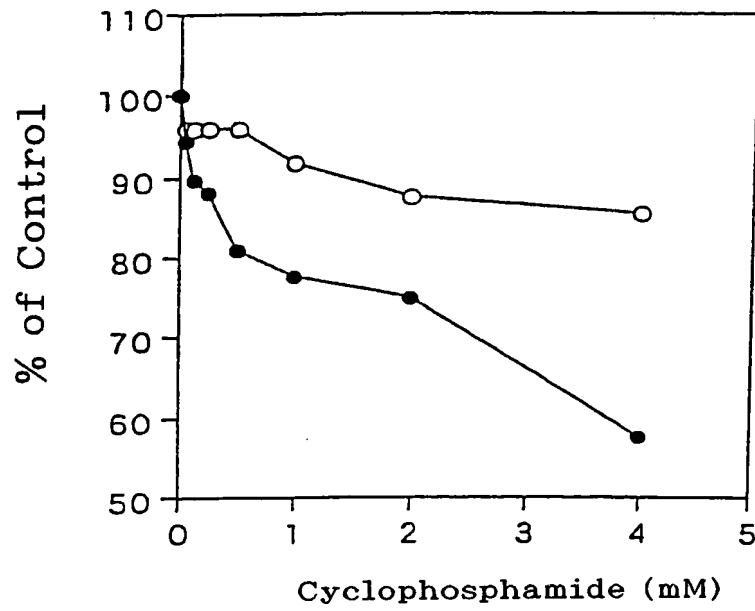


Fig. 5

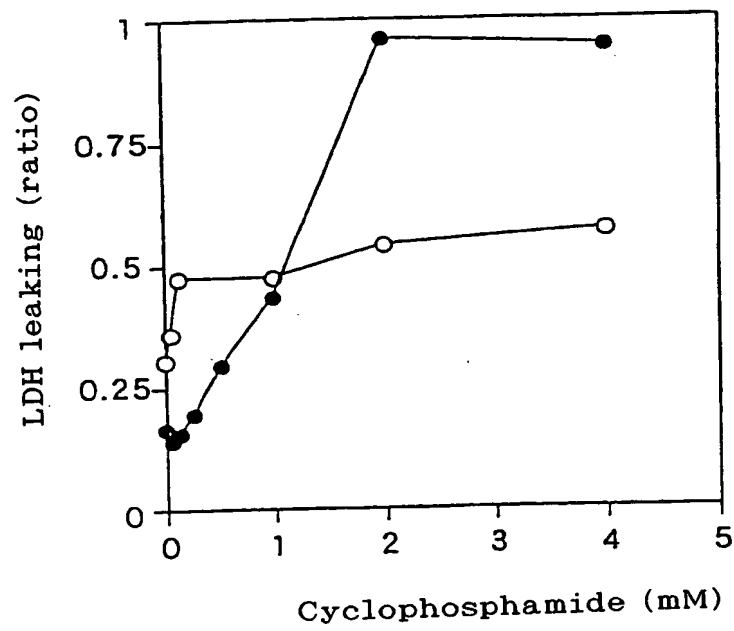


Fig. 6

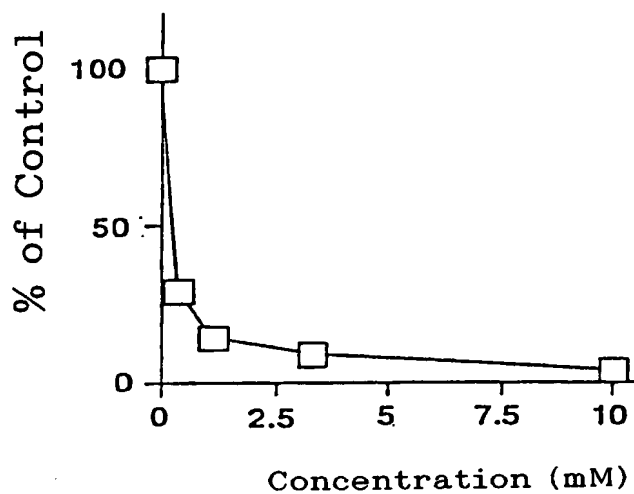
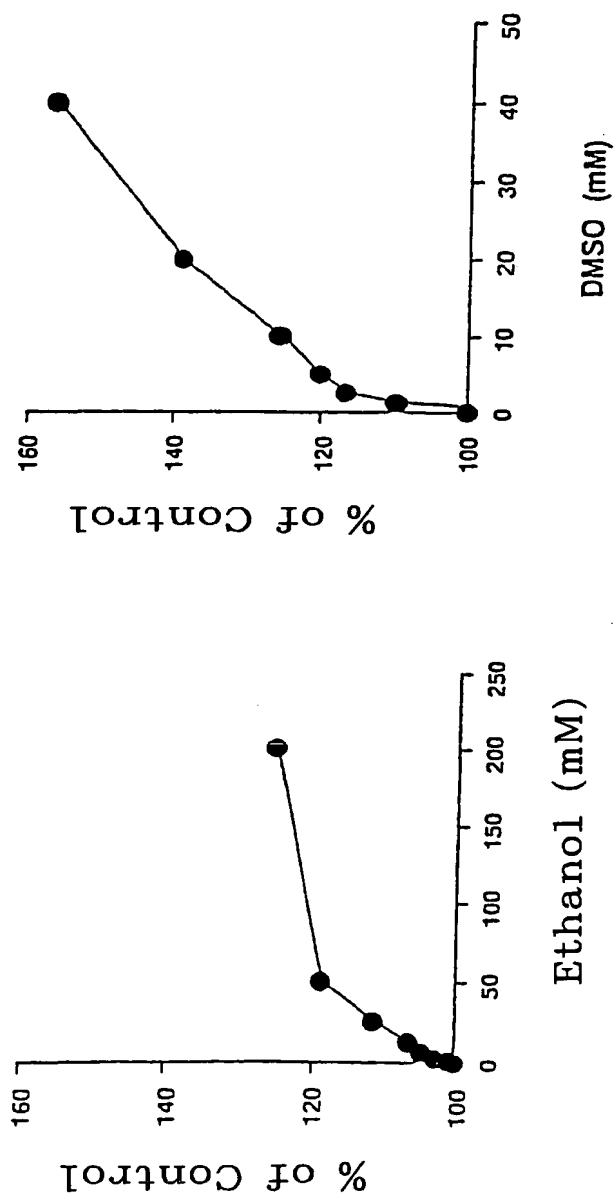


Fig. 7



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CYP molecules	Transformant	Enzyme activity	Rate Constant	
			Km( $\mu$ M)	V <sub>max</sub> (pmol/min/mg)
CYP1A1	Hepc/1A1.4	7-ethoxyresorufin O-deethylase activity	0.25	56
CYP1A2	Hepc/1A2.9	7-ethoxyresorufin O-deethylase activity	0.72	1.6
CYP2A6	Hepc/2A6L.9	Coumarin 7-hydroxylase activity	11.1	412
CYP2B6	Hepc/2B6.68	7-ethoxycoumarin O-deethylase activity	81	80
CYP2C8	Hepc/2C8.46	Taxol 6-hydroxylase activity	7.4	0.009
CYP2C9	Hepc/2C9.1	Tolbutamide 4-hydroxylase activity	77	23
CYP2C19	Hepc/2C19.12	(S)-mephenytoin 4'-hydroxylase activity	8.26	140
CYP2D6	Hepc/2D6.39	Bufuralol 1'-hydroxylase activity	17	14
CYP2E1	Hepc/2E1.3-8	p-nitrophenol hydroxylase activity	88	120
CYP3A4	Hepc/3A4.5	Testosterone 6 $\beta$ -hydroxylase activity	96	71